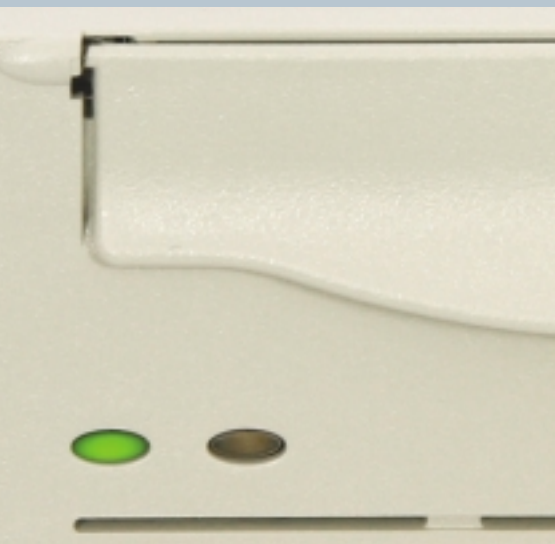# HP DAT 72
Internal Tape Drive
DDS Generation 5
HP C7438

Optimum performance and cost of ownership

Since its introduction in 1989, Digital Data Storage (DDS) has repeatedly proven its worth as the technology of choice in millions of installations around the world. In recognition of this fact, Hewlett-Packard is continuing to develop the core technology with the HP C7438A DAT 72 format drive, HP's fifth generation of DDS drive.

The HP C7438A DAT 72 mechanism is founded on a technology that has always offered optimum performance and cost of ownership and is expected to continue to do so for several generations to come. The 'Gen 5' DDS drive provides the ability to match today's capacity and performance requirements at the same time as both protecting yesterday's investment and maintaining a link with future generations of the world's most successful backup technology. Simultaneously this latest development of the core format technology continues the fundamental promise of open standards, low costs and high reliability.

Optimum performance
and cost of ownership

KEY BENEFITS AND FEATURES

- **Well proven technology**

- **Ideal for larger departmental LAN, mail, application and web servers and large workstations**

- **Inexpensive media for low total cost of ownership**

- **Assured connectivity with leading servers, operating systems and backup software**

- **72* GB capacity**

- **Up to 21.6 GB* per hour transfer rate**

- **Read/Write compatible with previous generation DDS-3 and DDS-4**

- **3.5-inch or 5.25-inch Half High form factors**

*Note: assumes a 2x data compression ratio.

SPECIFICATIONS

Storage Capacity

36 GB native, typically 72 GB with hardware data compression, on a DAT 72 170-meter cartridge.

Recording Format

ANSI/ECMA DDS-3, DDS-4 and DAT 72

Performance

Sustained Transfer Rate: 3 MB/s native, typically 6 MB/s with hardware data compression
Burst Transfer Rate: 3 MB/s maximum asynchronous, 40 MB/s maximum synchronous
Search Speed: 55 seconds average file access using a 170-meter tape

Reliability

MTBF: > 400,000 hours at 12% duty cycle
Media: DAT 72 (72 GB*), DDS-4 (40 GB*), DDS-3 (24 GB*), Media Recognition Cartridges
Interface: Ultra-Wide LVD and Single-Ended
Form Factor: 3.5-inch, half-height

Power Consumption

+ 5V DC, 0.9A; + 12V DC, 1.5A peak (< 1 sec)
+ 5V DC, 0.5A; + 12V DC, 0.5A typical

Power Requirements

+ 5V DC, 0.9A; + 12V DC, 1.5A peak (< 1 sec)

Physical Characteristics

Dimensions (HxWxD):
41 x 102 x 166mm (1.6 x 4.0 x 6.6in)
Weight: 0.79 kg (1.74 lb)

Product Certification

UL Recognized, CSA Certified, TUV, CE, C-Tick, RRL

Ordering Information

Tape Drive: C7438 DAT 72 GB* internal tape drive
Media Accessories:
C8010A DAT 72 72 GB* Cartridge
C5718A DDS-4 40 GB* Cartridge
C5708A DDS-3 24 GB* Cartridge
C5709A DDS Cleaning Cartridge

DAT 72
Digital Data Storage

powered by
hp
invent